

[54] CHARACTER SHAPING DEVICE

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[57] ABSTRACT

A character shaping device includes a tablet or the like upon which characters are written or drawn, and a device for determining distribution functions for the character as projected in the x- and y-directions. From this information the "center of gravity" of the character is calculated, and the x- and y-dimensions of the character are detected to determine the character area. The image is then centered within a normalization area and enlarged or reduced in size according to scale factors dependent upon the relative dimensions of the character area and the normalization area, to obtain a well balanced and sized character which may then be printed along with other characters to form sentences on a printed document or the like.

8 Claims, 5 Drawing Figures

